

Figure 1A

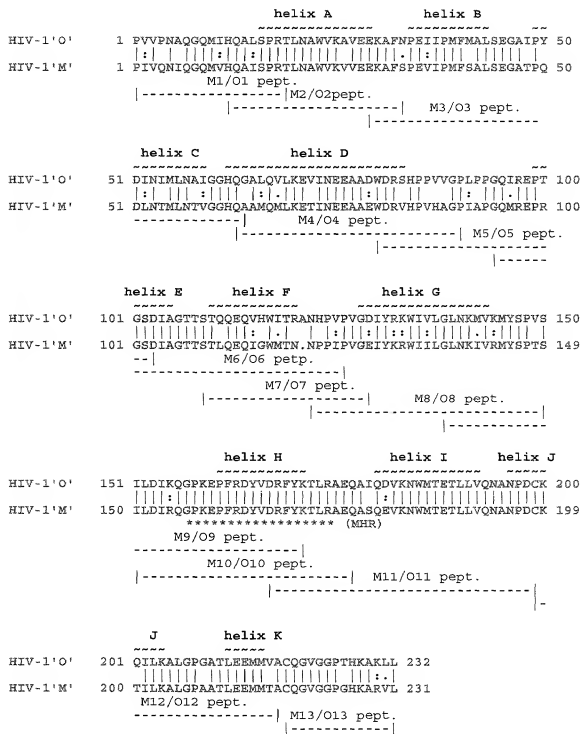
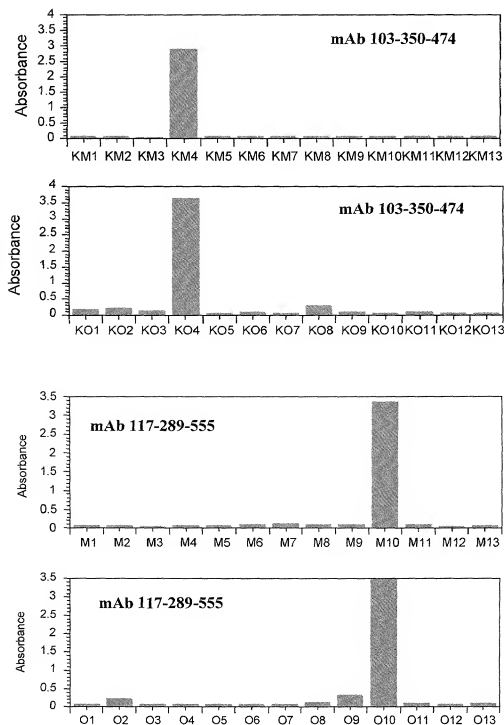


Figure 1B

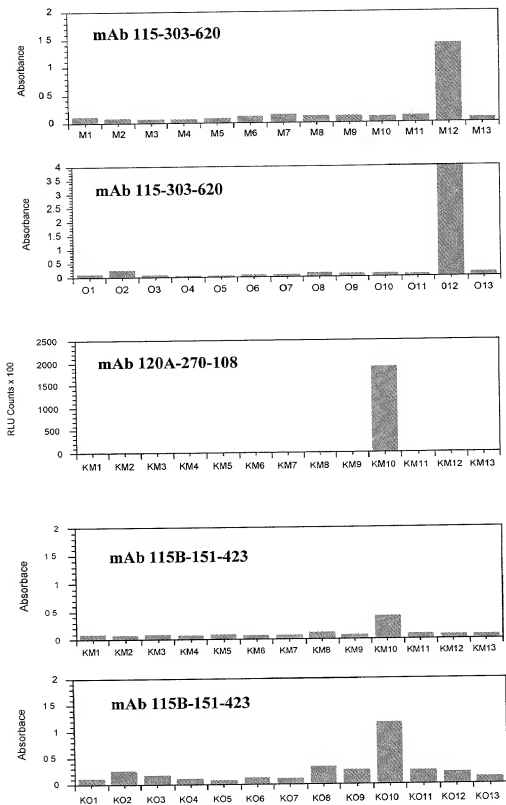
Sequence alignment of HIV-1 p24 antigen from Group O (Ham 112) and Group M (HXB2) and HIV-2 p26 antigen from subtype A (D194)

	helix A	helix B	
HIV-1'O'	1 PVVPNAQQGMIHQALSPTLNANVKAVEEKAFNPETIIPMFALSEGAIPY 50		
HIV-1'M'	1 PIVQNIQGMVHQAIISPTLNANVKVVEEKAFSPPEVIMPFALSSEGATPQ 50		
HIV-2'A'	1 P.VQQAGGNYIHVPLSPRTLNAWVKLVEEKKFGAEVVPVGFQALSEGCTPY 49		
	helix C	helix D	
HIV-1'O'	51 DINIMLNAIGGHGAGALQVLKEVINEEADWDRSHPPVVGSLPPGQIREPT 100		
HIV-1'M'	51 DLNITMLNTVGGHQAAMQLKETINEEAEDWDRVHPVHAGIAPGQMREPR 100		
HIV-2'A'	50 DINQMLNCVGDHQAAMQIIRIINEEADWDQHPPIP.GPLPAGQLRDP 98		
	helix E	helix F	helix G
HIV-1'O'	101 GSADIAGTTSTQQEQVHWITRANHPPVPVGGDIYRKWIVLGLNKMVMKMYSPVS 150		
HIV-1'M'	101 GSADIAGTTSTLQEQIGWMTN.NPPIPVGEIYKRWIILGLNKKIVRMYSPTS 149		
HIV-2'A'	99 GSADIAGTTSTVDEQIQWMYRQPNPVPVGNIIYRRWIIQIGLQKCVRMNPTN 148		
	helix H	helix I	helix J
	***** (MHR)		
HIV-1'O'	151 ILDIKQGPKEPPRDYVDRFYKTLRAEQAIQDVKNWMTETLLVQANPDCK 200		
HIV-1'M'	150 ILDIRQGPKEPPRDYVDRFYKTLRAEQASQEVKNWMTETLLVQANPDCK 199		
HIV-2'A'	149 ILDVKQGPKEPFQSYVDRFYKSLRAEQTDPAVKNWMTQTLLIQANPDCK 198		
	J	helix K	
HIV-1'O'	201 QILKALGPGATLEEMMVACQGVGGPTHKAKLL 232		
HIV-1'M'	200 TILKALGPAATLEEMMTACQGVGGPGHKARVL 231		
HIV-2'A'	199 LVLKGLGMNPTLEMLTACQGVGGPSQKARLM 230		

**Figure 2A. Monoclonal antibodies 103-350-474 and 117-289-555 binding to p24 peptides**



**Figure 2B. Monoclonal antibodies 115-303-620, 120A-270-108 and 115B-151-423 binding to p24 peptides**



**Figure 3 Location of deletion clones derived from HIV-1 group M and O p24**

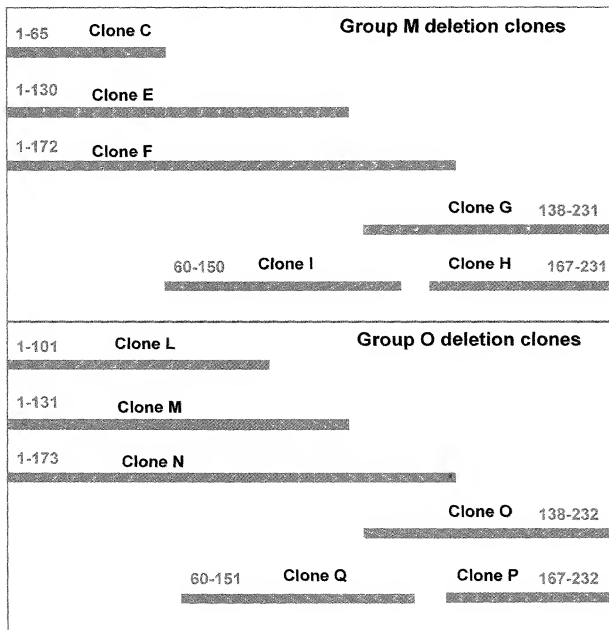
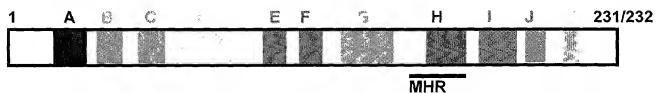
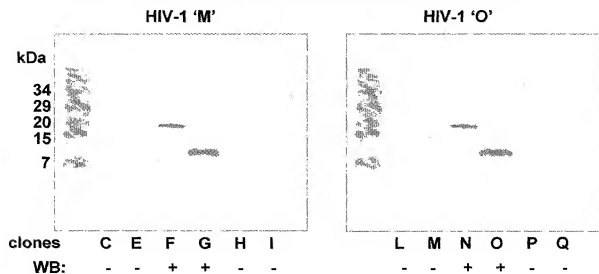


Figure 4 Western blots of mAbs against p24 deletion clones

Western blot of mAb 115B-151-423 against deletion



Western blot of mAb 108-394-470 against deletion

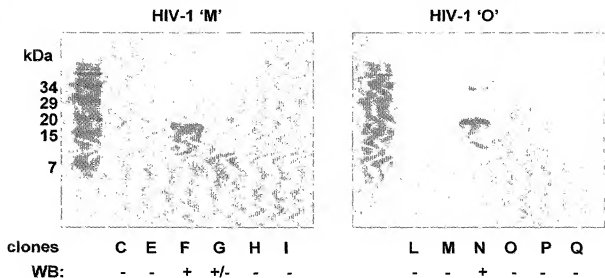
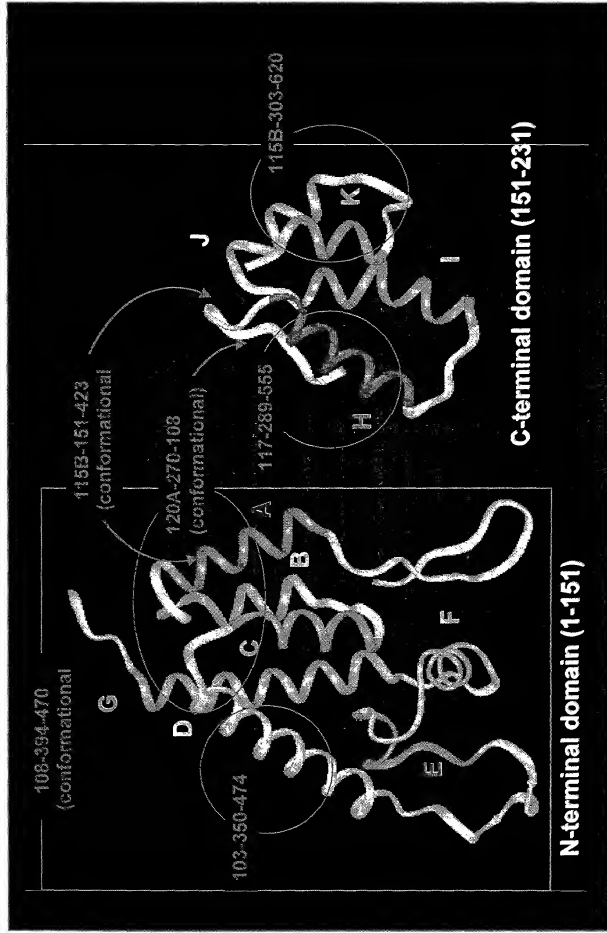
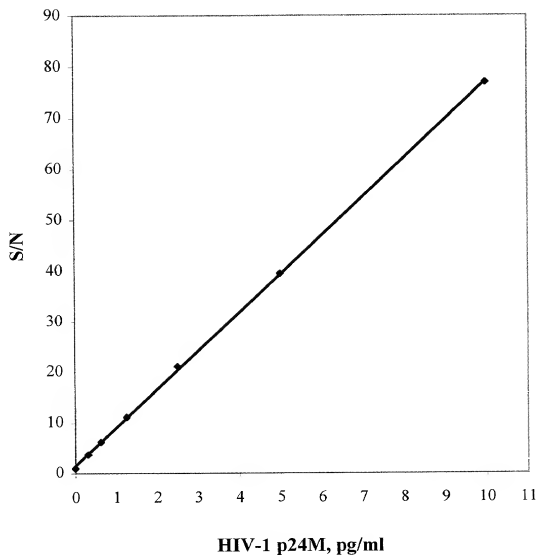


Figure 5 HIV-1 p24 epitopes recognized by p24 Mabs



**Figure 6.**

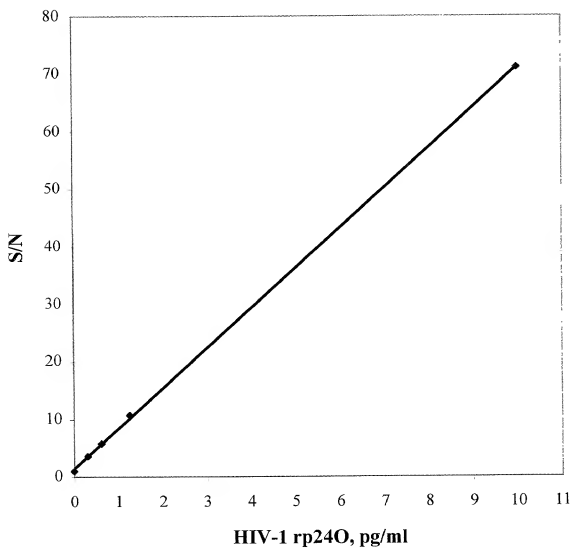
**HIV-1 p24M detection by 120A-270-108-uParticle and  
115B-151-423-ACR on Prism Standalone instrument**





**Figure 7.**

**HIV-1 rp24O detection by 120A-270-108-uParticle and 115B-151-423-ACR on Prism Standalone instrument**



**Figure 8.**  
**HIV-2 rp26 detection by 120A-270-108-uParticle and**  
**115B-151-423-ACR on Prism Standalone instrument**

